

The Canadian Concussion Centre presents:

# 11th Annual Concussion Research Symposium

Update on Research and Care for the Concussion Spectrum of Disorders  
Friday, April 26, 2024 | Hybrid: Zoom and BMO Education & Conference  
Centre at Toronto Western Hospital

## Session Information

7:00 – 8:00	<b>Registration and Breakfast</b>
8:00 – 8:10	<b>Canadian Concussion Centre Conference: Opening Remarks</b> <b>Dr. Charles H. Tator</b> , Professor of Neurosurgery, University of Toronto, Director, Canadian Concussion Centre
<b>Chair: Dr. Carmela Tartaglia</b> Marion and Gerald Soloway Chair in Brain Injury and Concussion Research, Associate Professor, Tanz Centre for Research in Neurodegenerative Diseases, University of Toronto	
8:10 – 8:50	<b>Invited Speaker:</b> Dr. Chris Nowinski, Neuroscientist, Founding CEO, Concussion Legacy Foundation <b>Title:</b> Conquering the Controversy of CTE Causation: When Science and Advocacy Collide
8:50 – 9:05	<b>Podium Presentation:</b> <u>Indira Ruth Garcia Cordero</u> , A. Vasilevskaya, F. Taghdiri, M. Khodadadi, D. Mikulis, A. Tarazi, A. Mushtaque, N. Anssari, B. Colella, R. Green, E. Rogaeva, C. Sato, M. Grinberg, D. Moreno, MW. Hussain, K. Blennow, H. Zetterberg, KD. Davis, R. Wennberg, CH. Tator, MC. Tartaglia <b>Title:</b> Default Mode Network Alterations in Neurodegenerative Biomarker-Positive Athletes with Repeated Concussions
9:05 – 9:25	<b>Invited Speaker:</b> Dr. Douglas Fraser, Professor/Clinician Scientist, Western University, London, Ontario, Canada <b>Title:</b> Blood Biomarkers of Mild Traumatic Brain Injury
9:25 – 9:50	<b>POSTER SESSION: Rapid Podium Presentations – (3 min/poster) Posters # 1-6</b>
9:50 – 10:15	<b>Refreshment Break and Poster Viewing</b>
10:15 – 10:55	<b>Invited Speaker:</b> Dr. Inga Koerte, Professor of Neurobiological Research in Child and Adolescent Psychiatry, cBRAIN, LMU University Hospital <b>Title:</b> Neuroimaging of Repetitive Head Impacts
10:55 – 11:10	<b>Podium Presentation:</b> <u>Vishaal Sumra</u> , JG. Sled, S. Spring, GG. Kovacs, C. Tartaglia <b>Title:</b> Post-mortem MR Imaging of Tau Pathology – A Pilot Study
11:10 – 11:30	<b>Canadian Concussion Centre (CCC) - Co- Principal Investigator:</b> Dr. Robin Green, Clinical Neuropsychology, Saunderson Chair in acquired brain injury, Founder/Director - TeleRehab Centre for Acquired Brain Injury

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**Title:** KITE TeleNeuroRehab Centre for ABI: Cognitive Intervention Findings for Patients with Prolonged Symptoms of Concussion

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11:30 – 12:10 **Invited Speaker:** Dr. Miriam Beauchamp, Neuropsychologist, Professor, Department of Psychology, University of Montreal  
**Title:** Bridging the Early Childhood Concussion Gap Using Unique Developmental Approaches

12:10 – 1:10 **Lunch Break and Poster Viewing**

### Chair: Dr. Robin Green

Clinical Neuropsychology, Saunderson Chair in acquired brain injury, Founder/Director TeleRehab Centre for Acquired Brain Injury

1:10 – 1:50 **Invited Speaker:** Dr. Shawn Marshal, Professor and Division Head of Physical Medicine and Rehabilitation at the University of Ottawa and the Ottawa Hospital  
**Title:** Living Concussion Guidelines for Adults

1:50 – 2:05 **Podium Presentation:** Lyn Turkstra, J. Bosch, J-M. Mercier  
**Title:** Development and Pilot Implementation of a Strategy-based Cognitive Rehabilitation Protocol for Canadian Armed Forces and RCMP Veterans with Chronic mTBI

2:05 – 2:25 **Invited Speakers:**  
 Dr. Mark Bayley, Program Medical Director & Psychiatrist-in-Chief at UHN-Toronto Rehabilitation Institute  
 Judith Gargaro, Manager Neurotrauma Care Pathways Initiative, UHN - Toronto Rehabilitation Institute, KITE Research Institute  
**Title:** Are Concussion Patients on The Path to Best Practice Concussion Care? Experience from Neurotrauma Pathways Initiative

2:25 – 2:40 **Podium Presentation:** Chloe Buso, Dr. Charles Tator  
**Title:** Assessment of a Flicker-Free Screen for Treatment of Computer Screen Intolerance in Patients with Persisting Concussion Symptoms

2:40 – 3:00 **POSTER SESSION: Rapid Podium Presentations – (3 min/poster) Posters # 7-12**

3:00 – 3:30 **Refreshment Break and Poster Viewing**

3:30 – 3:45 **Podium Presentation:** Prashanth Velayudhan, S. Pai, E. Nishat, S. Ameis, KO. Yeats, AL. Wheeler  
**Title:** Biopsychosocial Subtypes of Pediatric Concussion Predict Behavioural Impairment

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3:45 – 4:25	<p><b>Invited Speaker:</b> Dr. Michael Buckland, Clinical Associate Professor, Sydney Medical School, University of Sydney, Australia, Director, Australian Sports Brain Bank, Australian Veterans Brain Bank</p> <p><b>Title:</b> Chronic Traumatic Encephalopathy in Australia: The first 6 years of the Australian Sports Brain Bank</p>
4:25 – 4:40	<p><b>Podium Presentation:</b> <u>S. Bianchi</u>, M. Hutchison, Al. Di Battista</p> <p><b>Title:</b> Examining the Influence of Sex on the Risk of Future Musculoskeletal Injury Following Sports-Related Concussion</p>
4:40 – 4:55	<p><b>Dr. Charles H. Tator</b></p> <p><b>Title:</b> The Cause of Concussion with Persisting Symptoms Determine Recovery and Type, Duration, and Number of Symptoms</p>
5:00	<p><b>Closing Remark</b></p> <p>Dr. Charles H. Tator</p>

## Poster Presentations

Poster #	Title & Presenter
1	<p><u>Terrence Carolan</u></p> <p><b>Title:</b> Introducing Field-Driven, Interdisciplinary Concussion Rehabilitation Program Accreditation Standards</p>
2	<p><u>Melissa Biscardi</u>, Z. Grossinger, A. Colantonio, M. Bayley, T. Mollayeva</p> <p><b>Title:</b> Efficacy of Restitutive Interventions for Oculomotor Deficits in Adults with Concussion/Mild Traumatic Brain Injury: A Systematic Review and Meta-Analysis</p>
3	<p><u>Nicholas Moser</u>, MR. Popovic, S. Laksi-Ryan</p> <p><b>Title:</b> Effectiveness of Personalized Aerobic Exercise Program in Adults Suffering from Persistent Concussion Symptoms: A Case Series</p>
4	<p><u>Sarah Belknap</u></p> <p><b>Title:</b> A Policy Brief: Traumatic Brain Injury and Homelessness</p>
5	<p><u>Mack Hancock</u>, G. Sorrento, D. Tang-Wai, CH. Tator, MC. Tartaglia, A. Fasano</p>

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**Title:** Concussions and Idiopathic Normal Pressure Hydrocephalus: Is there a correlation?

## Poster Presentations

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6	<u>Monica Szczypinski</u> , L. Kanger, E. Foster, P. Comper, Th. Chandra, M. Bayley <b>Title:</b> Analysing the Effect of Somatic Mediators on Post-Concussion Sleep Quality in the General Population: Findings from the Toronto Concussion Study
7	<u>Julia Taylor</u> , D. Richardson, A. Kam <b>Title:</b> A virtual competency-based curriculum on concussion for primary care residents: Exploring Peer-Learner-Residents' Feedback and Impacts on Self-Efficacy
8	<u>Julie Osbelt</u> , E. Foster, M. Bayley, Ch. Levy, Th. Chandra, P. Comper <b>Title:</b> Concussion Care Continuum: Mapping Publicly Funded Care Pathways within the Toronto Region Health Team
9	<u>Keely Barnes</u> , H. Sveistrup, S. Marshall, M. Bayley, M. Egan, M. Bilodeau <b>Title:</b> Investigation of a Virtual Concussion Assessment: a Feasibility Study
10	<u>Mack Hancock</u> , A. Friedman <b>Title:</b> The Ongoing Evolution of Concussion Definitions and The Persisting Uncertainties Prompting These Revisions.
11	<u>Bianca Perry</u> , E. Foster, Th. Chandra, M. Szczypinski, M. Bayley, P. Comper <b>Title:</b> Beyond the Fog: Exploring Processing Speed, Concentration, and Cognitive Functioning in Early Concussion Recovery - Findings from the Toronto Concussion Study
12	<u>Jeffrey S. Brooks</u> , W. Allison, JP. Dickey <b>Title:</b> Compression Apparel Reduces Head Impact Magnitudes in Canadian Football Athletes
	<u>Shelley Vaisberg</u> , A. Hunt, S. Ma, A. Peill <b>Title:</b> Brainbot, An Innovative mHealth App for Concussion Self-Management and Occupational Performance in Adults: A Mixed Methods Study Investigating Usability

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<https://events.myconferencesuite.com/ConcussionSym2024>

Symposium Sponsors:

